



Kentucky Agricultural Statistics Service
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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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JSL 28-02

AGRICULTURAL NEWS: Rain late last week from the tropical storm remnants pushed precipitation totals to 3.22 inches for the week. Some places in the central part of the State received 8 inches of rain. Days suitable for fieldwork averaged 4.1 out of seven. Rain delayed corn harvesting and planting of fall grains. Tobacco was in case Saturday allowing some farmers to start stripping early tobacco. **Topsoil moisture** supplies on Friday, September 27 were rated 6 percent very short, 17 percent short, 56 percent adequate, and 21 percent surplus. **Subsoil moisture** was rated 16 percent very short, 29 percent short, 47 percent adequate, and 8 percent surplus.

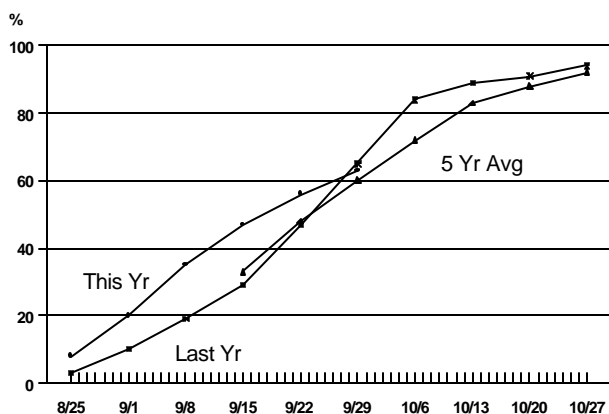
SOYBEANS: Harvest was underway with 9 percent complete, compared with 15 percent last year and the five-year average of 16 percent. Recent rains may help pod development in some of the late crop soybeans. As of Sunday, September 29, 76 percent of the crop was mature and safe from frost damage. About 75 percent were shedding leaves, ahead of 72 percent reported a year ago and the five-year average of 63 percent. On Friday, September 27, soybean condition was rated 9 percent very poor, 23 percent poor, 32 percent fair, 31 percent good and 5 percent excellent. When the soybeans were planted and if they got rain at critical times had the biggest impact on yields this year. Overall, soybean yields are running below average.

CORN: Harvest reached 63 percent complete as of Sunday, September 29 compared with 65 percent last year and the five-year average of 60. Ninety-six percent of the corn crop was mature. This compares with 98 percent in 2001 and the average of 91 percent.

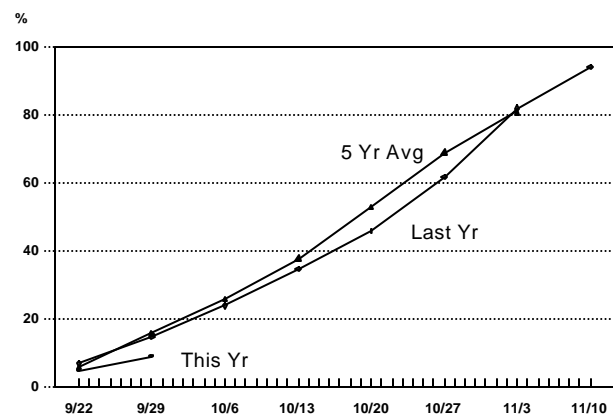
TOBACCO: As of Sunday, September 29, **burley tobacco** was 94 percent cut. This compares with 97 in 2001, and 90 percent for the five year average. **Dark tobacco** was 94 percent cut as of Sunday, September 29, this compares with 97 percent in 2001, and 92 percent for the five-year average. Of the tobacco already cut, 3 percent had been stripped, 16 percent was ready for stripping and 81 percent was not yet ready for stripping. Farmers continue to report that some tobacco has cured too quick this season. Condition of housed tobacco on Friday, September 27 was reported as 3 percent very poor, 12 percent poor, 34 percent fair, 41 percent good, and 10 percent excellent.

OTHER CROPS: **Wheat** seeding reached 7 percent complete as of Sunday, September 29, compared with 9 percent a year ago and the five-year average of 6 percent. Recent rains will go a long way to improving soil moisture for winter wheat seed germination. **Pastures** were rated 13 percent very poor, 23 percent poor, 40 percent fair, 19 percent good, and 5 percent excellent. Cool weather and recent rains have rejuvenated pastures.

CORN HARVESTED PROGRESS



SOYBEANS HARVESTED PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING SEPTEMBER 29, 2002
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Shedding Leaves	75	72	63	56	42
Harvested	9	15	16	5	NA
Corn					
Mature	96	98	91	94	45
Harvested	63	65	60	56	9
Burley Tobacco Cut	94	97	90	88	NA
Dark Tobacco Cut	94	97	92	90	NA

(NA) Data Not Available.

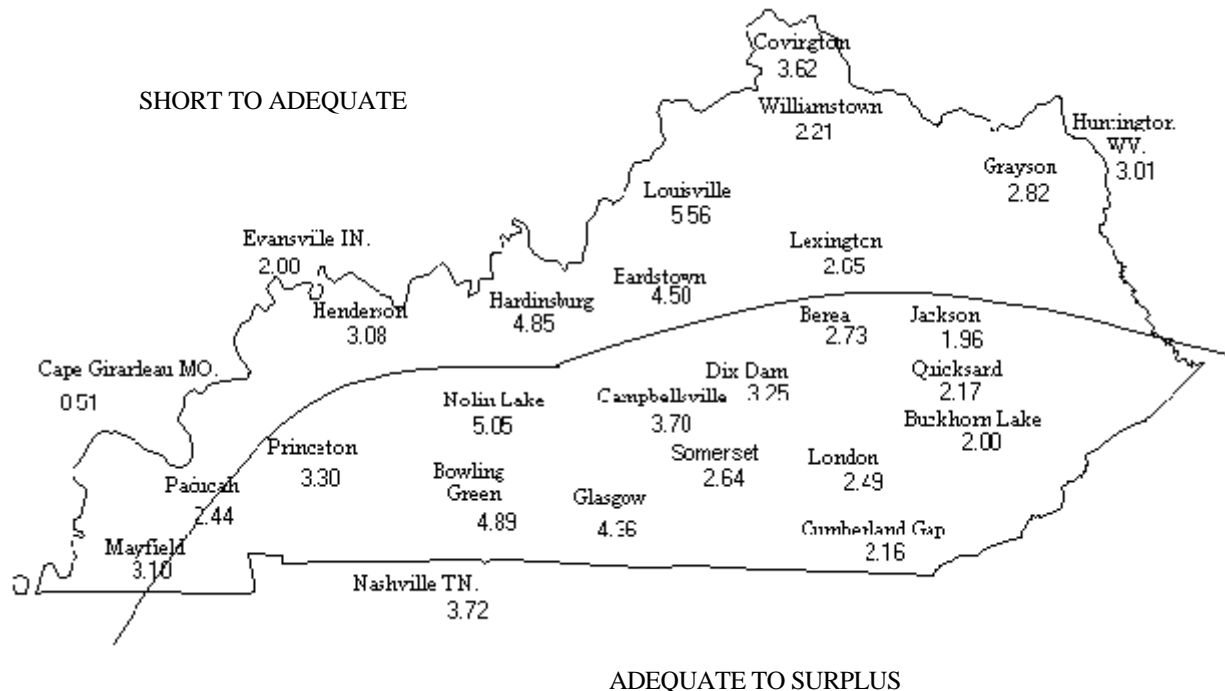
SOIL MOISTURE
WEEK ENDING SEPTEMBER 27, 2002
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	6	28
Short	17	39
Adequate	56	31
Surplus	21	2
SUBSOIL		
Very Short	16	44
Short	29	39
Adequate	47	16
Surplus	8	1

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING SEPTEMBER 27, 2002					WEEK ENDING SEPTEMBER 20, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Soybeans	9	23	32	31	5	13	24	32	27	4
Pasture	13	23	40	19	5	26	31	29	12	2
Housed Tobacco	3	12	34	41	10	6	15	32	34	13

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 29, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 27, 2002



KENTUCKY WEATHER SUMMARY, SEPTEMBER 23 - 29, 2002:

BELOW NORMAL TEMPERATURES AND ABOVE NORMAL RAINFALL:

The remnants of tropical storm Isidore provided the State with well above normal rainfall amounts on Thursday and Friday as the system tracked directly over east-central Kentucky by Friday morning. For many parts of the State, rainfall fell for 24-hours or more with only short breaks, leaving plenty of mud to contend with in the fields and delaying harvest operations. Some central sections of the State received up to 8 inches of rainfall. Temperatures stayed within a few degrees of normal for most of the week, and dipped below normal for much of the State on Thursday as rain and clouds from Isidore inhibited daytime heating.

Temperatures for the period averaged 64 degrees across the State which was 1 degree below normal, and the first time in 18 weeks that the weekly average temperature was below normal. High temperatures averaged from 76 in the West to 72 in the East. Departure from normal high temperatures ranged from 3 degrees below normal in the West to 3 degrees below normal in the East. Low temperatures averaged from 54 degrees in the West to 57 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to 4 degrees above normal in the East. The extreme high and low this week were 85 degrees at Paducah and 42 degrees at Cape Girardeau, respectively.

Rainfall for the period totaled 3.22 inches statewide which was 2.41 inches above normal. Rainfall totals by climate division, West 2.42 inches, Central 4.87 inches, Bluegrass 2.79 inches and East 2.80 inches, which was 1.60, 4.02, 2.02 and 2.02 inches respectively above normal. By station, precipitation totals ranged from a low of 0.51 inches at Cape Girardeau to a high of 5.56 inches at Louisville.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 29, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Relative Humidity	
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly Avg.	Dev. From Norm	Average	
										High	Low
	(Inches)			(Degrees Fahrenheit)							
Bardstown	4.50	30.77	6.43	+6.74	+3.44	80	44	62.9	-2	95	47
Berea	2.73	33.17	5.00	+7.87	+1.27	78	47	63.7	+0	94	49
Bowling Green	4.89	32.19	9.46	+6.91	+5.99	83	47	66.8	+2	--	--
Bristol	1.34	16.09	2.80	-5.29	-0.24	81	54	67.4	+4	--	--
Buckhorn Lake	2.00	23.15	4.27	-0.89	+0.85	79	47	63.7	+0	--	--
Cape Girardeau	0.51	30.72	2.09	+7.15	-1.24	84	42	64.7	-2	--	--
Campbellsville	3.70	31.11	6.76	+2.59	+2.43	82	44	64.6	-0	94	49
Covington	3.62	25.27	4.86	+3.03	+2.17	78	42	62.5	-1	--	--
Cumberland Gap	2.16	18.82	4.06	-6.91	+1.19	81	51	66.1	+3	95	49
Dix Dam	3.25	28.32	5.31	+3.53	+2.13	79	46	63.0	-1	--	--
Evansville	2.08	25.84	5.09	+3.56	+2.32	82	45	65.9	-1	--	--
Glasgow	4.36	32.16	8.65	+4.85	+5.02	84	45	65.4	+1	95	46
Grayson	2.82	22.50	4.16	-0.50	+1.59	79	45	62.9	-1	95	50
Hardinsburg	4.85	28.03	7.83	+2.98	+4.42	82	46	64.8	+0	95	50
Henderson	3.08	31.88	5.42	+8.68	+2.19	82	44	64.9	-2	95	49
Huntington	3.01	21.89	4.02	-1.25	+1.41	79	44	63.2	-0	--	--
Jackson	1.96	24.90	3.48	-0.16	+0.19	79	48	62.9	-1	--	--
Lexington	2.65	22.15	5.44	-1.88	+2.45	79	47	62.7	-1	--	--
London	2.49	22.79	5.82	-0.44	+2.57	80	47	63.3	-0	--	--
Louisville	5.56	26.75	7.88	+3.34	+4.93	80	47	63.8	-1	--	--
Mayfield	3.10	19.42	5.25	-6.17	+1.54	81	46	64.3	-2	95	50
Nashville	3.72	23.53	6.27	-0.02	+3.09	83	49	66.8	+2	--	--
Nolin Lake	5.05	30.43	9.06	+3.62	+5.12	82	47	66.0	+1	--	--
Paducah	2.44	26.60	5.82	+1.50	+2.38	85	45	66.3	-0	95	45
Princeton	3.30	27.03	6.20	+1.90	+3.09	85	43	66.2	-0	99	62
Quicksand	2.17	24.82	4.28	-0.24	+0.99	79	46	63.4	-0	95	50
Somerset	2.64	27.46	5.63	+1.12	+1.90	81	44	63.7	+0	93	50
Spindletop	2.29	17.95	4.79	-6.08	+1.80	78	45	61.6	-2	87	47
Williamstown	2.21	21.53	5.13	-2.14	+2.15	79	46	63.9	+0	95	50

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center(859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
SEP 21, 2002

UPDATED WEEKLY

CROP MOISTURE

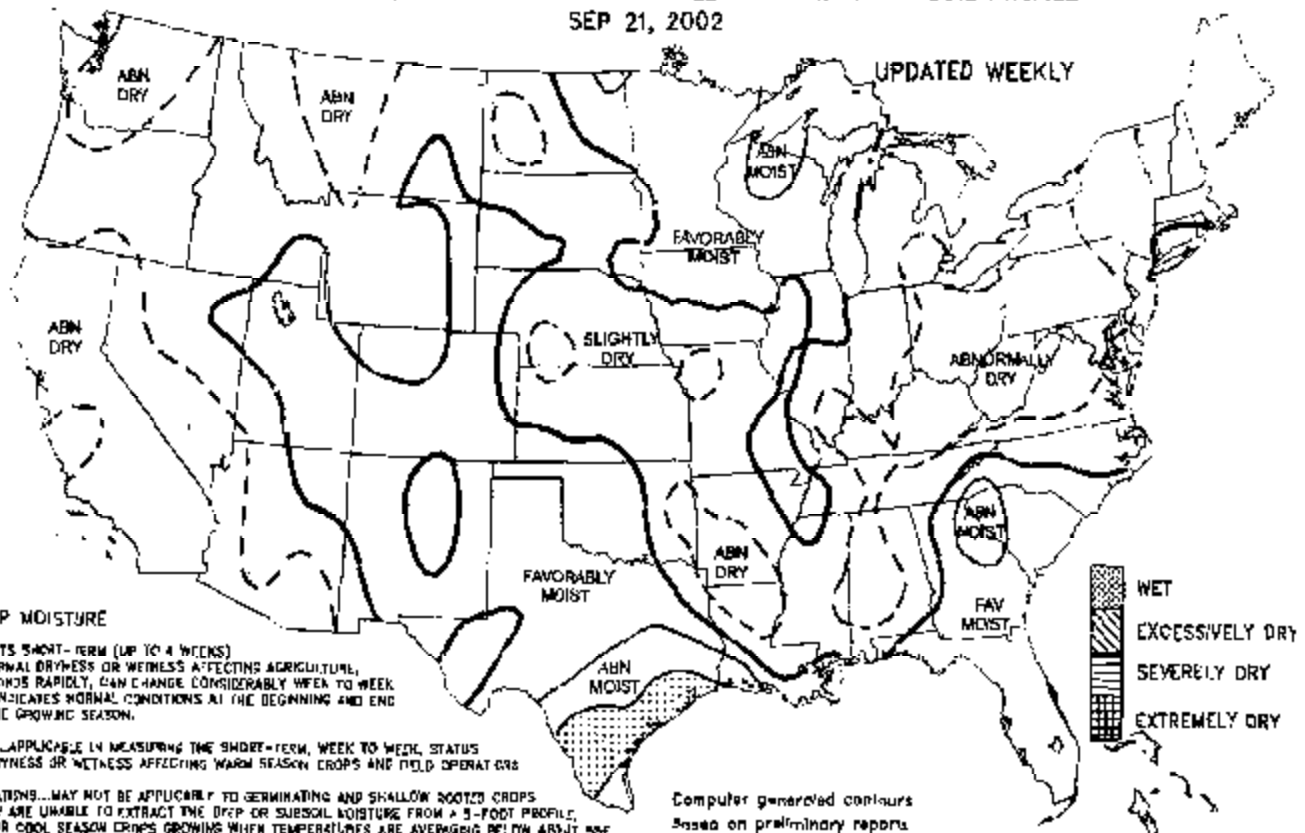
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATORS

LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW 50°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

Computer generated contours
 Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY



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